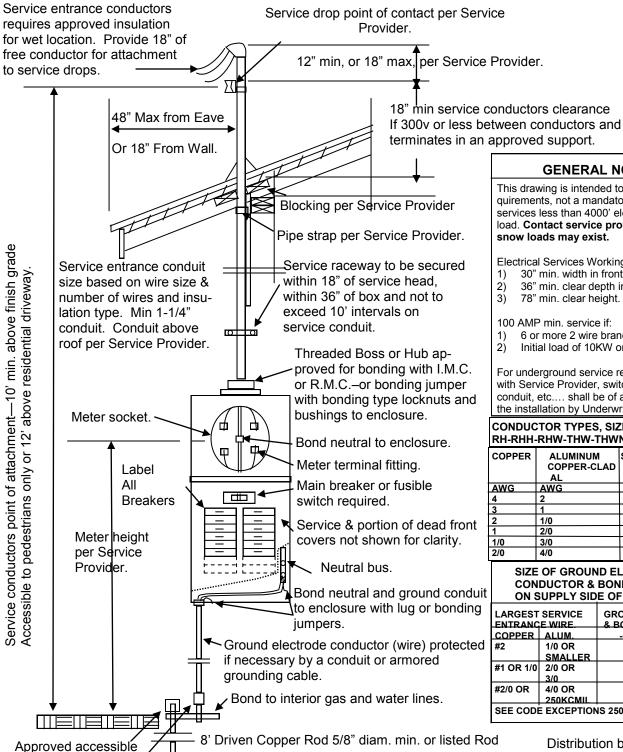


COUNTY OF PLACER

Community Development Resource Agency

BUILDING

RESIDENTIAL ELECTRICAL SERVICE



GENERAL NOTES

This drawing is intended to illustrate the requirements, not a mandatory arrangement for services less than 4000' elev. & no heavy snow load. Contact service provider where heavy snow loads may exist.

Electrical Services Working Clearance

- 30" min. width in front.
- 36" min. clear depth in front.
- 78" min. clear height.

100 AMP min. service if:

- 6 or more 2 wire branch circuits or
- Initial load of 10KW or more

For underground service requirements consult with Service Provider, switches, panel boards, conduit, etc.... shall be of a type approved for the installation by Underwriter Laboratory

CONDUCTOR TYPES, SIZES & CONDUIT RH-RHH-RHW-THW-THWN-THHN-XHHW

COPPER	ALUMINUM	SERVICES	CONDUIT
	COPPER-CLAD	RATING	SIZE. 3
	AL	IN AMP	COND.
AWG	AWG		THW
4	2	100	1 1/4" MIN
3	1	110	1 1/4"
2	1/0	125	1 1/4"
1	2/0	150	1 1/4"
1/0	3/0	175	1 1/2"
2/0	4/0	200	2"

SIZE OF GROUND ELECTRODE **CONDUCTOR & BONDING CONDUCTOR** ON SUPPLY SIDE OF SERVICE

LARGEST SERVICE		GROUNDING ELECTRODE & BONDING CONDUCTOR	
COPPER	ALUM.	-COPPER-	
#2	1/0 OR	#8	
	SMALLER		
#1 OR 1/0	2/0 OR		
	3/0	#6	
#2/0 OR	4/0 OR	#4	
	250KCMIL		
SEE CODE EXCEPTIONS 250-94			

Distribution breakers to be located in area protected from snow build-up in locations above 3,500 ft. elev.

Web Site Address: http://www.placer.ca.gov Email: building@placer.ca.gov

UFER: Required for new construction - #4 rebar or bare

CU #4 wire 20' long & 2" min. from bottom of foundation.

Provider.

grounding clamp with

access to exterior or

building per Service